Journal of Wind Engineering and Industrial Aerodynamics, 37 (1991) 329–330
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

Journal of Wind Engineering and Industrial Aerodynamics

Contents Volume 37 (1991)

Vol. 37 No. 1

A three-dimensional analysis of stall-delay on a horizontal-axis wind turbine
D.H. Wood (Newcastle, NSW, Australia) 1
The effect of meteorological parameters on wind turbine behaviour
R.I. Harris (Bedford, UK) 15
A two-dimensional second-order vortex panel method for the flow in a cross-wind over a train and other two-dimensional bluff bodies
T.W. Chiu (Cambridge, UK) 43
Buffeting analysis of long span bridges to turbulent wind with yaw angle
J. Xie, H. Tanaka, R.L. Wardlaw and M.G. Savage (Ottawa, Ont., Canada) 65
Design of a low-speed axisymmetric wind tunnel contraction
K. Arbayrak (Ankara, Turkey) 79
Velocity vector and turbulence in the symmetry plane of a Darrieus wind generator
G. Bergeles, A. Michos and N. Athanassiadis (Athens, Greece) 87
Performance analysis of a horizontal-axis wind turbine under non-uniform flow with swirl
M.A. Kotb and H.A. Soliman (Irbid, Jordan) 103

Vol. 37 No. 2

The wind profile in a wave flume
W.A. Oost (De Bilt, The Netherlands) 113
Simplified model for a weakly unstable atmospheric boundary layer capped by an inversion layer
D. Myrhaug and H. Rue (Trondheim, Norway) 123
Vortex shedding controlled by the transverse vibration of three in-line elliptic cylinders in a uniform flow
H. Nishiyama, T.Ota (Sendai, Japan) and N. Kon (Akita, Japan) 141
Experimental investigation of an annular jet
M.S. Aly (Jeddah, Saudi Arabia) and M.I.I. Rashed (Cairo, Egypt) 155
Calculation of vehicle aerodynamic drag coefficients from velocity fitting of coastdown data
A. Swift (Palmerston North, New Zealand) 167
Time-accurate incompressible viscous flow around a blunt object using the Galerkin finite element penalty function and artificial compressibility
S.K.W. Tou (Nanyang, Singapore) 187
Steady-state pressure and force coefficients for groups of three equispaced square cylinders situated in a cross flow
A.T. Sayers (Cape Town, South Africa) 197

Discussion
Comments on "The propagation of internal pressures in buildings" by R.I. Harris
B.J. Vickery (London, Canada) 209

0167-6105/91/$03.50 © 1991 Elsevier Science Publishers B.V. All rights reserved.

Book Review 213

Announcements 217

Vol. 37 No. 3

A method for prediction of transient characteristics of a wind turbine at different rates of change of wind speed
G.K. Nathan and M.H.T. Yin (Singapore) 223
An investigation of a sonic flowmeter
E. Olsen (Gothenburg, Sweden) and O. Strindehag (Jönköping, Sweden) 245
On aerodynamic sealing for industrial applications
L.A. Oliveira and J.J. Costa (Coimbra, Portugal), M.G. Carvalho (Lisbon, Portugal), H.J. Gerhardt and C. Kramer (Aachen, Germany) 255
Flow control by perforated plates using a blanking technique in wide-angle diffusers employed in practical electrostatic precipitator systems
B. Sahin (Adana, Turkey) and A.J. Ward-Smith (Uxbridge, UK) 269
Wind pressures on roofs with closed ventilators
J. Blessmann and N.I.B. Silveira (Porto Alegre, Brazil) 285
Effects of surface roughness on the two-dimensional flow past circular cylinders. I: mean forces and pressures
J.L.D. Ribeiro (Porto Alegre, Brazil) 299
Effects of surface roughness on the two-dimensional flow past circular cylinders. II: fluctuating forces and pressures
J.L.D. Ribeiro (Porto Alegre, Brazil) 311

Author Index 327
Contents of Volume 37 329